Bar Code Wand Cards

CompactFlash and PC Card versions

Plug-in Cards with Attached Scanner Wands for:

- *Windows Powered Pocket PCs*
- *Windows CE-based Palm-size PCs, Handheld PC Pros, and Pen Tablets*
- *Windows 9x, Me, 2000, or NT 4.0 Notebooks*

User's Guide

socket

How This Manual Is Organized

This *User's Guide* shows how to install and use the Bar Code Wand Card on different Windows platforms.

Chapter 1, **"Introduction,"** gives you an overview of the Bar Code Wand Card package.

Chapter 2, **"Pocket PCs and Other Windows CE Devices,"** tells you how to install the Bar Code Wand Card on a Windows Powered Pocket PC or Windows CE-based Palm-size PC, Handheld PC Pro, or pen tablet equipped with a CompactFlash I/O slot or PC Card (PCMCIA) slot.

Chapter 3, **"Windows 9x/Me/2000,"** tells you how to install the Bar Code Wand Card on a notebook computer powered by Windows 95, Windows 98, Windows Me, or Windows 2000.

Chapter 4, **"Windows NT 4.0 Notebooks,"** tells you how to install the Bar Code Wand Card on a Windows NT 4.0 notebook computer.

Appendix A, **"Specifications,"** describes the technical specifications of the Bar Code Wand Card packages.

Appendix B, **"Default Parameters,"** includes a chart detailing which symbologies and other parameters are default for the Bar Code Wand.

Appendix C, **"Troubleshooting,"** helps you correct the most common problems you may encounter using the Bar Code Wand Card.

Appendix D, **"Technical Support,"** tells you how to contact Socket's technical support department and lists information you should prepare yourself with before asking for help.

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Chapter 1 **Introduction**

Overview

The Socket Bar Code Wand Card™ lets you scan bar codes anytime anywhere with a variety of Windows-based mobile computers. Just connect the scanner wand when you need it, then remove it when you're done.

The Bar Code Wand Card features a Welch Allyn SCANTEAM™ contact scanner wand integrated with a CompactFlash or PC Card version of Socket's *Battery Friendly*® Card.

Accompanying the hardware is SocketScan™, software that routes scanned data to an active Windows program as if it were manually typed.

SocketScan also enables the addition of prefixes or suffixes to scanned data, such as Tab or Carriage Return, to further eliminate manual keystrokes during the data collection process.

You can use the Bar Code Wand Card with any Windows application that accepts virtual keyboard entry, such as Notepad, Excel, Word, or their Pocket versions.

Other features of the Bar Code Wand Card include:

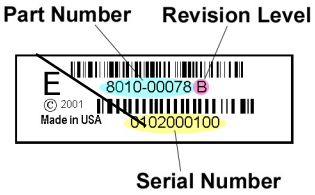
- Automatic detection of major bar code symbologies, such as Code 39, Interleaved 2 of 5, UPC, EAN, and Code 128.
- *Battery Friendly*® design maximizes your mobile device's battery life.

This *User's Guide* describes how to install and operate Socket's Bar Code Wand Card systems on a variety of Windows-based mobile computers.

For software updates or help on advanced configuration, please visit: http://www.socketcom.com/support/support.htm

For online product registration, visit: *www.socketcom.com/prodreg.htm*

Note: Revision A of the CompactFlash Bar Code Wand Card is not compatible with Windows 9x/Me/2000/NT.



Package Contents

The Bar Code Wand Card package includes:

- A CompactFlash or PC Card Bar Code Wand Card
- An attached Welch Allyn SCANTEAM™ bar code scanner wand
- The *SocketScan Installation CD*
- The *Socket Bar Code Scanners Quick Start Guide*

Chapter 2 **Pocket PCs and Other Windows CE Devices**

Overview

This chapter briefly explains how to install the Bar Code Wand Card on a Windows Powered Pocket PC or Windows CE-based Palm-size PC, Handheld PC Pro, or pen tablet equipped with a CompactFlash I/O or PC Card (PCMCIA) slot.

This chapter shows Pocket PC screens. Other Windows CE-based devices have functionally equivalent screens.

Getting Started

NOTE: Uninstall any bar code scanning software now on your device before installing this SocketScan software.
STEP 1: Install the software.
STEP 2: Insert the Bar Code Laser Scanner Card.
STEP 3: Start SocketScan.
STEP 4: Start scanning data!

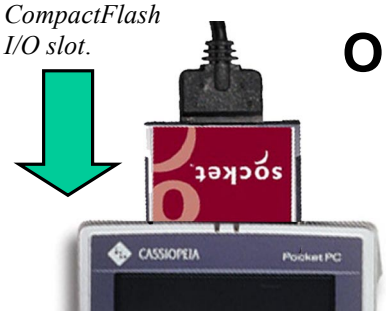
OPTIONAL: Configure sounds or prefix/suffixes.
OPTIONAL: Configure symbologies.

STEP 1: Install the Software

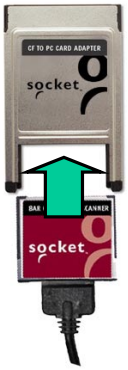
1. Make an active connection between your device and a host PC. Use your device's serial or USB connection cable or cradle.
2. Insert the *SocketScan Installation CD* into the host PC. Click **Start/Run** on the host PC and type **`X:\SETUP.EXE`** (replace X with your CD drive letter).
3. Proceed to the Installation screen, review the **README** file, then select **INSTALL** for **Windows CE** and follow the instructions.
4. Follow the wizard until software installation is done. When you see **Application Downloading Complete**, tap **OK**. Remove the device from the serial or USB cable or cradle.

STEP 2: Insert the Card
Use your device's CompactFlash I/O slot, or plug it into a Type I CompactFlash-to-PC Card adapter and use it in a PC Card slot.

Insert the card directly into a CompactFlash I/O slot.



OR



Insert a CompactFlash card into an adapter, then plug the combined unit into a PC Card slot.

STEP 3: Start SocketScan

You can launch SocketScan by going to **Start** | **Programs** | **SocketScan:**

SocketScan

Whenever SocketScan is running and the Bar Code Laser Scanner Card is properly inserted, the wand icon should appear in the task tray.

Note: For Pocket PCs, the task bar appears in the **Today** *screen.*

The "no card detected" icon in the task tray may denote an absent or improperly inserted or configured card.

STEP 4: Scan Data into a Windows Program

Follow these steps to use the Bar Code Wand to scan data into a Windows program that accepts virtual keyboard entry. For information about bar code scanning applications (available separately), email info@socketcom.com

1. If not already open, start SocketScan.

2. Start the Windows application you want to receive the data. Make sure a new document or spreadsheet is open that you can scan data into.

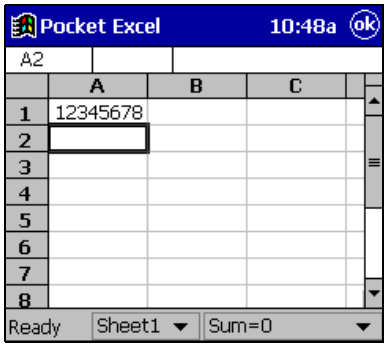
3. Scan the bar code by drawing the wand tip over the code.

Scanning Tips:

- *Move the wand gently, quickly and steadily over the code.*
- *Hold the wand at a slight angle, like a pencil.*
- *Keep the wand tip and bar code clean.*

For example, try the following Code 39 bar code:

4. After a successful scan, data should appear in your document:



Note: If your device enters suspend mode when SocketScan is running, press the ON button. SocketScan will automatically resume operation.

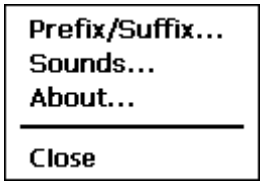
5. To close SocketScan, tap the wand icon in the task tray. Tap **Close**.

Optional: Configure Sounds, Prefix/Suffixes

The SocketScan applet allows you to specify prefix and suffix characters to be added automatically to the data that you scan. The applet also lets you designate any WAV sound file to be played to indicate a successful scan.

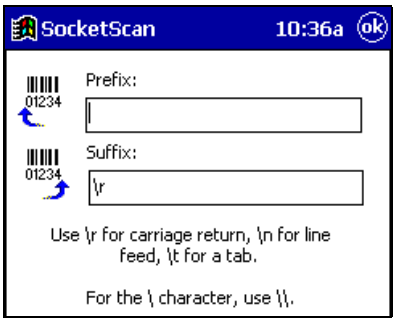
Starting the Applet

1. Click on the Scanner Wand icon in the task tray
2. The SocketScan applet menu will appear:



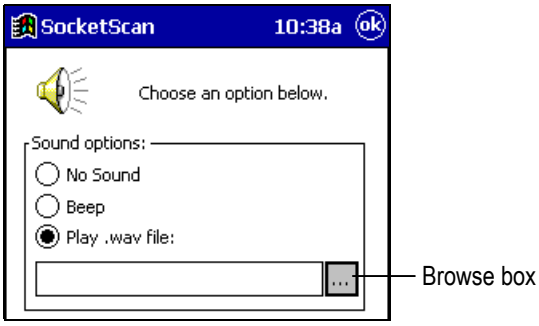
Adding Prefix/Suffix Characters

1. Start the applet. In the SocketScan applet menu, tap **Prefix/Suffix...**
2. In the **Prefix** and **Suffix** fields, enter the characters you want to be appended to each scan (128 character maximum). When done, tap **OK**.

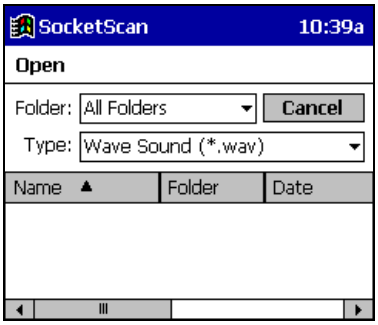


Specifying a Sound

1. Start the applet. In the SocketScan applet menu, tap **Sounds...**
2. Select a sound for indicating successful scans, then tap **ok**.



If you want to play a .WAV file, after selecting **Play .wav file,** you can search through files by tapping the browse box. In the **Open** screen, tap on the file you want:



Note: For Pocket or Palm-size PCs, SocketScan will only let you access WAV files from the My Documents folder and its subfolders. If necessary, copy the WAV files you need into this folder.

Optional: Configure Symbologies

You can manually configure the Bar Code Wand Card to accept or ignore certain bar code symbologies and extensions. Check Appendix B, "Default Parameters," to see if the wand is already configured for the symbology you need.

Default symbologies include Code 39, Code 128, Interleaved 2 of 5, UPC, and EAN. To reconfigure your card for different symbologies, please refer to the *Welch Allyn 6180 Programming Menu*, available in Adobe Acrobat PDF format at: http://www.socketcom.com/support/support.htm .

Chapter 3 **Windows 9x/Me/2000 Notebooks**

Overview

This chapter explains how to install the Bar Code Wand Card on a notebook computer powered by Windows 95, Windows 98, Windows Me or Windows 2000.

This chapter shows Windows 98 screens. Other Windows versions have functionally equivalent screens.

Getting Started

NOTE: Uninstall any bar code scanning software now on your device before installing this SocketScan software.
STEP 1: Install the software.
STEP 2: Insert the Bar Code Laser Scanner Card.
STEP 3: Configure Windows for new hardware.
STEP 3: Start SocketScan.
STEP 4: Start scanning data!

OPTIONAL: Configure sounds or prefix/suffixes.
OPTIONAL: Configure symbologies.

STEP 1: Install the Software

1. Insert the *SocketScan Installation CD*.
2. Click **Start/Run** on your notebook and type **`X:\SETUP.EXE`** (replace X with your CD drive letter).
3. Proceed to the Installation screen, review the **README** file, then select **INSTALL** for **Windows 9x/2000** or **Windows Me** and follow the instructions.
4. When finished, click **Exit** and leave the CD in your notebook.

STEP 2: Configure for New Hardware

Follow these steps to configure Windows to recognize the new hardware:

1. Windows 2000 only: When you first insert the Bar Code Wand Card, you may see a screen that says **Digital Signature Not Found**. Click **Yes.**
2. The first time you insert the Bar Code Wand Card, a new hardware or device driver wizard will appear. Make sure the installation CD is in your notebook.
3. Follow the wizard to install the drivers, making the appropriate selection below as prompted:
   a. Windows 2000 — Select **Search for a suitable driver for my device**. In the next screen, select **CD-ROM drive**.
   b. Windows Me — Select **Automatic search for a better driver**.
   c. Windows 98 — Select **Search for the best driver for your device**. In the next screen, select **CD-ROM drive.**
   d. Windows 95 — Select **Other Locations...** and specify your CD drive.

STEP 3: Start SocketScan

You can launch SocketScan by going to **Start** | **Programs** | **SocketScan.**

Or, you can double-click the **SocketScan** icon directly on the desktop:

Whenever SocketScan is running and the Bar Code Wand Card is properly inserted, the wand icon should appear in the task tray at the bottom of your screen.

The “no card detected” icon in the task bar may denote an absent or improperly inserted or configured card.

STEP 4: Scan Data into a Windows Program

Follow these steps to use the Bar Code Wand to scan data into a Windows program that accepts virtual keyboard entry. For information about bar code scanning applications (available separately), email info@socketcom.com

1. If not already open, start SocketScan.

2. Start the Windows application you want to receive the data. Make sure a new document or spreadsheet is open that you can scan data into.

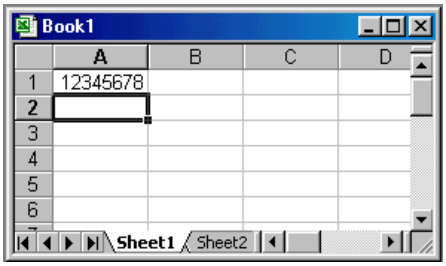
3. Scan the bar code by drawing the wand tip over the code.

Scanning Tips:

- *Move the wand gently, quickly and steadily over the bar code.*
- *Hold the wand at a slight angle, like a pencil.*
- *Keep the wand tip and bar code clean.*

For example, try the following Code 39 bar code:

4. After a successful scan, data should appear in your document. For example if you scan the bar code above into an Excel spreadsheet, data will appear in the first cell:



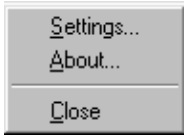
5. To close SocketScan, right-click on the wand icon in the task tray. Choose **Close**.

Optional: Configure Sounds, Prefix/Suffixes

The SocketScan applet allows you to specify prefix and suffix characters to be added automatically to the data that you scan. The applet also lets you designate any WAV sound file to be played to indicate a successful scan.

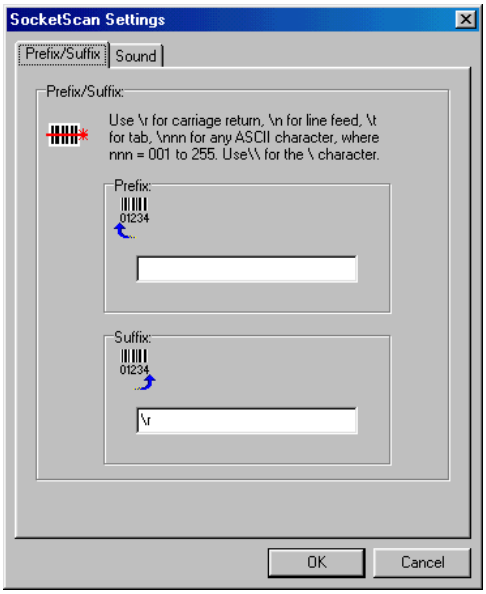
Starting the Applet

1. Right-click on the Scanner Wand icon in the task tray
2. The SocketScan applet menu will appear:



Adding Prefix/Suffix Characters

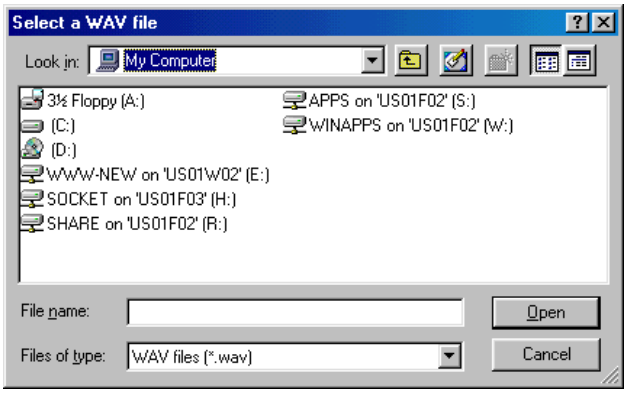
1. Start the applet. In the SocketScan applet menu, select **Prefix/Suffix...**
2. In the **Prefix** and **Suffix** fields, enter the characters you want to be appended to each scan (128 character maximum). When done, click **OK**.



Specifying a Sound

1. Start the applet. In **SocketScan Settings**, click on the **Sound** tab.
2. Select a sound for indicating successful scans, then click **OK**.

If you want to play a .WAV file, after selecting **Play .wav file,** you can search through files by clicking on the **Browse** button. In the **Select a WAV file** screen, select the file you want, then click on the **Open** button:



Optional: Configure Symbologies

You can manually configure the Bar Code Wand Card to accept or ignore certain bar code symbologies and extensions. Check Appendix B, "Default Parameters," to see if the wand is already configured for the symbology you need.

Default symbologies include Code 39, Code 128, Interleaved 2 of 5, UPC, and EAN. To reconfigure your card for different symbologies, please refer to the *Welch Allyn 6180 Programming Menu*, available in Adobe Acrobat PDF format at: http://www.socketcom.com/support/support.htm .

Chapter 4 **Windows NT 4.0 Notebooks**

This chapter explains how to install and use a Bar Code Wand Card on a Windows NT 4.0 notebook.

Getting Started

STEP 1: Uninstall any Socket scanning software already on your device.
STEP 2: Make sure your notebook is turned OFF. Insert the bar code wand card. Then turn on your notebook.
STEP 3: Install the new SocketScan software.
STEP 4: Start SocketScan.
STEP 5: Set up SocketScan for the right COM port.
STEP 6: Start scanning data into a Windows program.

STEP 1: Remove Old SocketScan/ScanWizard

Uninstall any scanning software from Socket (e.g., ScanWizard, previous versions of SocketScan, etc.) that may already be on your mobile computer.

Important! After uninstalling old software, be sure to reboot your notebook.

STEP 2: Insert the Card

Important! Turn off your notebook before inserting the card!

Plug the Bar Code Wand Card directly into your notebook's PC Card slot. Make sure the colorful label is on top.

If using a CompactFlash card, first insert it into a Type I CompactFlash-to PC Card adapter (available separately from Socket), then plug the combined unit into the PC Card slot.

You can use a CompactFlash-to-PC Card adapter to plug a CompactFlash card into a PC Card slot.

After inserting the card, turn on the notebook.

STEP 3: Install New Software

Important! This installation is for NT workstations without third party Card Services. If you have third party Card Services, consult with them to confirm compatibility.

Follow these steps for software installation AFTER inserting the card:

1. Insert the *SocketScan Installation CD*.
2. Click **Start/Run** and type **`X:\SETUP.EXE`** (replace X with your CD drive letter).
3. Proceed to the Installation screen, review the **README** file, then select **INSTALL** for **Windows NT**.
4. Follow the wizard until software installation is done.
5. Reboot your computer.

STEP 4: Start SocketScan

You can launch SocketScan by going to **Start** | **Programs | SocketScan.**
Or, you can click on the **SocketScan** icon directly on the desktop:

Whenever SocketScan is running and the card is inserted, the **wand icon** should appear in the task tray at the bottom of your screen:

The "no card detected" icon in the task bar may denote an absent or improperly inserted or configured card.

STEP 5: Set up SocketScan for COM Port

1. Identify the COM port where you have inserted the card. If needed, contact Socket technical support for help.
2. Right-click the **wand icon** in the task bar and select **Settings**. Click the **Device** tab, and select the COM port Windows assigned to the Bar Code Wand Card.

STEP 6: Scan Data into a Windows Program

Follow these steps to use the Bar Code Wand to scan data into a Windows program that accepts virtual keyboard entry. For information about bar code scanning applications (available separately), email info@socketcom.com

1. If not already open, start SocketScan.

2. Start the application you want to receive the data. Make sure a new document or spreadsheet is open that you can scan data into.

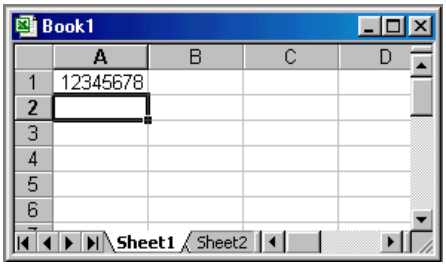
3. Scan the bar code by drawing the wand tip over the code.

Scanning Tips:

- *Move the wand gently, quickly and steadily over the bar code.*
- *Hold the wand at a slight angle, like a pencil.*
- *Keep the wand tip and bar code clean.*

For example, try the following Code 39 bar code:

4. After a successful scan, data should appear in your document. For example if you scan the bar code above into an Excel spreadsheet, data will appear in the first cell:



5. To close SocketScan, click on the wand icon in the task tray. Click **Close**.

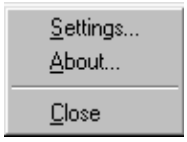
Optional: Configure Sounds, Prefix/Suffixes

The SocketScan applet allows you to specify prefix and suffix characters to be added automatically to the data that you scan. The applet also lets you designate any WAV sound file to be played to indicate a successful scan.

Starting the Applet

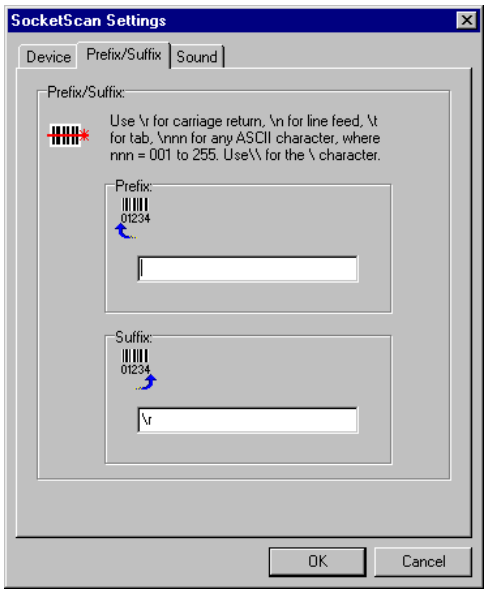
1. Right-click on the Scanner Wand icon in the task tray

2. The SocketScan applet menu will appear. Select **Settings**.



Adding Prefix/Suffix Characters

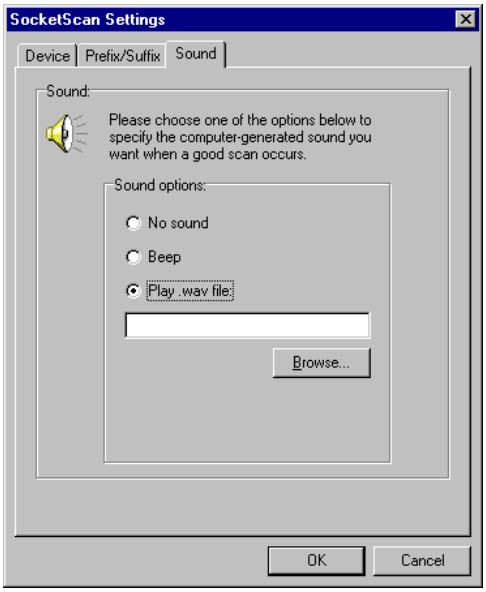
1. Start the applet. In **SocketScan Settings**, click on the **Prefix/Suffix** tab.
2. In the **Prefix** and **Suffix** fields, enter the characters you want to be appended to each scan (128 character maximum). When done, click **OK**.



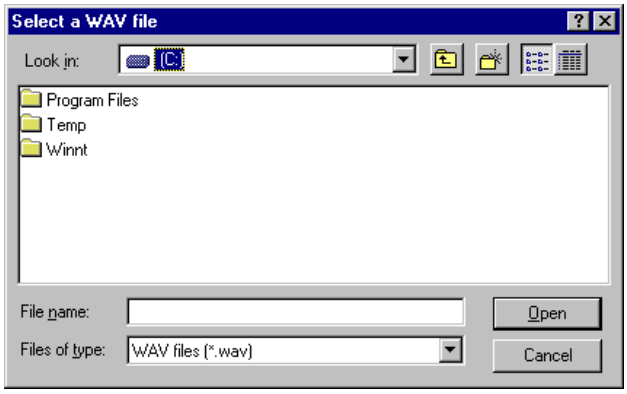
Specifying a Sound

1. Start the applet. In **SocketScan Settings**, click on the **Sound** tab.

2. Select a sound for indicating successful scans, then click **OK**.



To you want to play a .WAV file**,** after selecting **Play .wav file,** you can search through files by clicking on the **Browse** button. In the **Select a WAV file** screen, select the file you want, then click on the **Open** button:



Optional: Configure Symbologies

You can manually configure the Bar Code Wand Card to accept or ignore certain bar code symbologies and extensions. Check Appendix B, "Default Parameters," to see if the wand is already configured for the symbology you need.

Default symbologies include Code 39, Code 128, Interleaved 2 of 5, UPC, and EAN. To reconfigure your card for different symbologies, please refer to the *Welch Allyn 6180 Programming Menu*, available in Adobe Acrobat PDF format at: http://www.socketcom.com/support/support.htm .

Appendix A **Specifications**

Physical Characteristics

PC Card Dimensions:	3.37 in x 2.13 in x 0.197 in (85.6mm x 54.0mm x 5.0mm)
System Weight (w/PC Card):	3.4 oz (86.2gm) with cable
CF Type I Card Dimensions:	1.43 in x 1.69 in x 0.13 in (36.4mm x 42.8mm x 3.3mm)
System Weight (w/CF Card):	3.2 oz (81.1gm) with cable
Cable Length:	4 feet (1.29m) coiled cable
Scanner Wand Dimensions:	7.1 in. (19.1cm) length 0.50 in. (1.3cm) diameter

Environmental Conditions:

Operating Temperature:	0°C to +50°C
Relative Humidity:	10% to 90% non-condensing

Power Consumption (supplied by host computer):

Typical/Maximum at 5V:	7 mA (35 mW)/23 mA (115 mW)

Scanner Wand Performance:

Good Read Indicator:	Blink scanner LED and sound alert
Light Source:	550nm visible red LED
Tilt Angle:	0° - 35° typical
Scan Speed:	2 – 50 in./sec. (5 –127cm/sec.)

***Computers Supported*:**	Windows-based mobile computers
***Operating System Support*:**	Windows CE version 2.11 or higher, Windows 95, 98, Me, 2000, NT 4.0
Certification:	FCC: Part 15, Class B CE: EN55022 C-TICK s.182
***Warranty*:**	Three year
Software Included:	SocketScan

Specifications:
All bar code symbols should satisfy the appropriate AIM Uniform Symbology Specification.

Background Substrate:
The bar code symbol should be printed on material that is reflective and has a matte (not glossy) finish. A background diffuse reflectance of at least 70% to 80% is desirable for optimum contrast.

Ink Color and Type:
The inked bars should not exceed 25% reflectance at the wavelength that is being used for reading, whether printed with black ink or colored ink. The reflectance value should not vary more than 5% within the same character.

Voids and Specks:
The code should be printed clearly, free of voids, specks, blemishes and lines that could "fool" the scanner. Specks or blemishes in the white spaces, or false or missing bar sections, could be interpreted by the reading equipment as part of the code. Generally, the width of such flaws is more serious than the height. Code symbols should be rejected if these defects are present.

Definition:
The bars in the bar code symbol should be well defined. Their edges should not be rough or fuzzy, so that the bars and spaces have the proper widths intended for the bar code symbology used.

Contrast:
Background reflectance (that of the substrate on which the codes are printed) should always provide a good contrast relative to the ink reflectance (that of the code bars). The difference between the two should be at least 37.5% at the wavelength used for reading.

Tolerance:
The ration of the widths of bars and spaces in a bar code symbol must conform to the appropriate AIM bar code specifications and can cause problems if not correct throughout the bar code. Problems can occur when bar edges are smeared or rough, or when they exhibit voids.

Appendix B **Default Parameters**

Check the table below to identify symbologies and other default parameters for the Bar Code Wand Card. To program other settings, please refer the *Welch Allyn 6180 Programming Menu* in Adobe Acrobat PDF format at: http://www.socketcom.com/support/support.htm

Codabar	**Default**
Codabar	Enable
Minimum Length	01
Maximum Length	48
S/S Transmit	Enable

Code 39	**Default**
Code 39	Enable
Minimum Length	00
Maximum Length	48
S/S Transmit	Disable
Check Char. Required	Disable
Transmit Check Char.	Disable
Full ASCII	Enable
Append Option	Disable

UPC	**Default**
Version A	Enable
Version E	Enable
(Version E Expand)	Disable
Number System Transmit	Enable
Check Digit Transmit	Disable

EAN	**Default**
EAN/JAN 13	Enable
EAN/JAN 8	Enable

UPC &/or EAN	**Default**
2-Digit Addenda	Enable
5-Digit Addenda	Enable

Interleaved 2 of 5	Default
Interleaved 2 of 5	Enable
Minimum Length	4 characters
Maximum Length	64
6, 14 & 16 Only	Disable
Check Digit Required.	Disable
Transmit Check Char.	Disable

Code 2 of 5	Default
Code 2 of 5	Enable
Minimum Length	4 characters
Maximum Length	64

MSI Plessey	Default
MSI Plessey	Enable
Minimum Length	04
Maximum Length	48

Code 93	Default
Code 93	Enable
Minimum Length	00
Maximum Length	60

Code 128	Default
Code 128 (All Modes)	Enable
Mode A	Enable
Mode B	Enable
Mode C	Enable
Minimum Length	00
Maximum Length	80
Leading <FNC1> Required.	Disable

Code 11	Default
Code 11	Enable
2 Check Digits (N=1)	Disable
Transmit Check Char.	Disable
Minimum Length	01
Maximum Length	48

Appendix C **Troubleshooting**

SYMPTOM:

I get the "No Card Detected" icon in the task tray or task bar and can't trigger the laser or scan bar codes.

POSSIBLE REASON	SOLUTION
Your mobile computer does not recognize the Bar Code Laser Scanner Card.	Make sure the card is inserted properly. If necessary, remove and reinsert. If using battery power, be sure to tap **Yes** if asked if you want to use battery power.

SYMPTOM:

While scanning, the laser fires, but no data appears.

POSSIBLE REASON	SOLUTION
The laser beam is too far from the bar code.	The Wand must touch the bar code label. Hold it like a pencil. Practice so you get accustomed the most efficient scanning angle.
The bar code may be poorly printed or incorrectly formatted.	Try scanning a bar code known to be good, such as on a retail package.
The bar code symbology may be disabled in your scanner.	See Appendix B, "Default Parameters," to see if the symbology you need is default. If needed, go to http://www.socketcom.com/support/support.htmand use the *Welch Allyn 6180 Programming Menu* to enable the symbology you need.
The bar code may exceed the minimum or maximum length allowed with default settings for the symbology.	Use the *Welch Allyn 6180 Programming Menu* to enable the symbology you need. Access the Adobe Acrobat PDF file at: http://www.socketcom.com/support/support.htm

SYMPTOM:

The items I normally scan have multiple bar code labels. Sometimes I scan the wrong ones.

POSSIBLE REASON	SOLUTION
Items often have multiple bar code labels that are confusing and often lead to human error.	Manually configure your wand to accept or ignore certain bar code symbologies. See the *SCANTEAM 6180 Programming Menu at:* http://www.socketcom.com/support/support.htm

SYMPTOM:

While scanning a bar code, I get two carriage returns even though I programmed only one into SocketScan.

POSSIBLE REASON	SOLUTION
Your wand may have a carriage return already programmed into its hardware.	Remove the carriage return you programmed. For more help, see pages 11, 16 or 23 of this Guide.

SYMPTOM:

When I scan a numeric bar code, I get the correct number of digits, but they look like garbage (i.e., !@#$%^&*()).

POSSIBLE REASON	SOLUTION
Caps Lock may be active on your computer.	On a H/PC, the A icon appears in your system tray at the lower right corner of your screen when Caps Lock is active. If your H/PC does not have a Caps Lock key, you can deactivate the Caps Lock function by pressing the left Shift key and the right Caps Shift key simultaneously.

Appendix D **Technical Support**

How to Contact Socket

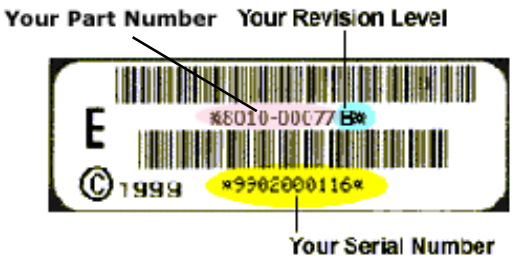
Refer to the Appendix C, "Troubleshooting," for help with technical problems. If trouble persists, contact Socket's technical support department prepared with the following:

- The part number (including revision level) and serial number of your Bar Code Wand Card (see diagram below)
- The manufacturer, model number, and Windows version of your mobile computer
- If using a Pocket PC or other Windows CE-based device, the Windows version on your host PC
- How you tried to correct the problem

To reach Socket's technical support department:

- Email techsupport@socketcom.com
- Phone 510-744-2720
- Fax 510-744-2727

Please refrain from disassembling the CompactFlash or PC Card. Disassembly of this device will void the product warranty.



Limited Hardware Warranty

Socket Communications Incorporated (Socket) warrants this product against defects in material and workmanship, under normal use and service, for three years following the original date of purchase.

Incompatibility is not a defect covered by Socket's warranty. During the warranty period, Socket will, at its option, repair or replace the defective product at no charge when furnished with proof of retail purchase, provided that you deliver the product to Socket or to an authorized Socket Service Center.

The returned product must be accompanied by a return material authorization (RMA) number issued by Socket or by an authorized Socket Service Center. If you ship the product, you must use the original container or equivalent and you must pay the shipping charges to Socket. Socket will pay shipping charges back to any location in the contiguous United States. This warranty applies only to the original retail purchaser and is not transferable.

Socket may, at its option, replace or repair the product with new or reconditioned parts, or refund to Customer the purchase price paid for the defective product, and the returned product becomes Socket's property. Socket warrants the repaired or replaced products to be free from defects in material or workmanship for ninety (90) days after the return shipping date, or for the duration of the original warranty period, whichever is greater.

This warranty does not cover the replacement of products damaged by abuse, accident, misuse or misapplication, nor as a result of service or modification other than by Socket.

SOCKET IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM BREACH OF ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING DAMAGE TO PROPERTY AND, TO THE EXTENT PERMITTED BY LAW, DAMAGES FOR PERSONAL INJURY. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Some states do not allow limitation of implied warranties, or the exclusion or limitation of incidental or consequential damages, so that the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

This product may contain fully tested, recycled parts, warranted as if new.

For warranty information, phone (510) 744-2700.

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This manual has been prepared with the greatest care regarding its contents. However, in the event that it contains omissions, errors or any other misinformation, feel free to contact SOCKET COMMUNICATIONS at:

Socket Communications
37400 Central Court
Newark, CA 94560

Phone: (510) 744-2700
Fax: (510) 744-2727
Technical support: (510) 744-2720.

Important! Before calling Socket to request technical support, prepare yourself with the information listed in Appendix D, "Technical Support."

Other than the above, Socket Communications can assume no responsibility for anything resulting from the application of information contained in this manual.

Socket Communications requests that you refrain from any applications of the Bar Code Wand Card that are not described in this manual. Socket Communications also requests that you refrain from disassembling the CompactFlash Card or PC Card. Disassembly of this device will void the product warranty.

You can track new product releases, software updates and technical bulletins by visiting Socket's web page at: *www.socketcom.com.*

Regulatory Compliance

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. This equipment is also CE EN55022 and C-TICK compliant. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area may cause harmful interference in which case the user will be required to correct the interference at their own expense.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user may try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna of the radio or television.
- Increase the distance separating the equipment and the receiver.
- Connect the equipment to an outlet on a different branch circuit than that of the receiver.
- Consult the dealer or an experienced radio/TV technician for help.

The user may find it helpful to read the following booklet: *How to Identify and Resolve Radio-TV Interference Problems*. This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402

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